

CLAIM AMENDMENTS

1-10. (cancelled)

11. (Currently Amended) A locking device disposed within a door operator of a passenger transit vehicle door system for locking a door hanger of such transit vehicle door system in a fully locked position, said door hanger attached to a door of such transit vehicle, said locking device further unlocking said door hanger of such transit vehicle door system from said fully locked position, said locking device comprising:

(a) a lock bar disposed within said door hanger, said lock bar having at least one locking cavity;

(b) a lock shaft disposed within said locking device;

(c) a lock actuator rotatably attached on said lock shaft for enabling rotation of said lock shaft;

(d) a lock lever attached to said lock shaft for engagement with said at least one locking cavity for maintaining said door hanger in said fully locked position, said lock lever movable into an unlock position enabled by said lock actuator; and

(e) a lock latch mechanism disposed within such passenger transit door system, said lock latch mechanism including an unlocking cam attached to one end of said lock shaft for rotation therewith, a lock latch lever pivotally biased for engagement with a first portion of said unlocking cam for

maintaining said lock lever in said unlock position and for enabling movement of said door hanger in an opening direction and for enabling movement of said door into an open position, said lock latch lever biased for engagement with a second portion of said unlocking cam when said lock lever engaged with said at least one locking cavity of said lock bar and a reset lever attached to said door hanger and engageable with said lock latch lever for pivotably moving thereof from engagement with said first portion into engagement with said second portion of said unlocking cam and for ~~said lock latch mechanism~~ enabling rotation of said lock shaft and engagement of said lock lever with said locking cavity upon movement of said door hanger in said closing direction.

12. (Previously Presented) A locking device, according to claim 11, wherein said lock latch mechanism enables removal of power from said lock actuator upon rotation of said lock lever from said fully locked position into said unlock position.

13. (Previously Presented) A locking device, according to claim 11, wherein said lock latch mechanism enables removal of power from said lock actuator prior to enabling a prime mover disposed within said door operator for opening said door attached to said door hanger.

14. (Previously Presented) A locking device, according to claim 11, wherein said lock lever is mounted about said lock shaft so that gravity tends to move it into said fully locked position.

15. (Original) A locking device, according to claim 11, wherein said actuator is a solenoid.

16. (Previously Presented) A locking device, according to claim 15, wherein said solenoid is a non-continuous duty type providing more power to move said lock lever from said fully locked position into said unlock position.

17. (Original) A locking device, according to claim 11, wherein said actuator is a pneumatic cylinder.

18. (Original) A locking device, according to claim 11, wherein said actuator is a hydraulic cylinder.

19. (Currently Amended) A locking device disposed within a door operator of a passenger transit vehicle door system for locking a first door hanger of such transit vehicle door system in a fully locked position, said first door hanger attached to a first door of such transit vehicle, said locking device further

locking a second door hanger of such transit vehicle door system in said fully locked position, said second door hanger attached to a second door of such transit vehicle, said locking device further for unlocking said first door hanger and said second door hanger of such transit vehicle door system from said fully locked position, said locking device comprising:

- (a) a lock shaft disposed within said locking device;
- (b) a first lock bar disposed within said first door hanger, said first lock bar having a first lock cavity;
- (c) a second lock bar disposed within said second door hanger, said second lock bar having a second lock cavity;
- (d) a lock lever pivotably attached on said lock shaft, said lock lever engaging said first lock cavity and said second lock cavity in said fully locked position;
- (e) a lock actuator pivotably attached to said lock shaft for enabling said lock lever to move from said fully locked position to an unlock position; and
- (f) a lock latch mechanism disposed within such passenger transit door system, said lock latch mechanism including an unlocking cam attached to said lock shaft for rotation therewith, a lock latch lever pivotally biased for engagement with a first portion of said unlocking cam for maintaining said lock lever in said unlock position and for enabling movement of said first door hanger in a first opening direction and said

second door hanger in a second opening direction and for enabling movement of said first door into a first open position and movement of said second door into a second open position, said lock latch lever biased for engagement with a second portion of said unlocking cam when said lock lever engaged with said first lock cavity and said second lock cavity, and a reset lever attached to one of said first and said second door hanger and engageable with said lock latch lever for pivotably moving thereof from engagement with said first portion into engagement with said second portion of said unlocking cam and for ~~said lock latch mechanism~~ enabling rotation of said lock shaft and engagement of said lock lever with said first lock cavity and said second lock cavity in said fully locked position upon movement of said first door hanger in a first closing direction and said second door hanger in a second closing direction.

20. (Previously Presented) A locking device, according to claim 11, wherein said locking device further includes a manual release lever connected to said lock shaft for manually rotating said lock shaft from said fully locked position into said unlock position and for enabling said lock latch mechanism to maintain said lock lever in said unlocked position for manually moving said door in said opening direction.

21. (Previously Presented) A locking device, according to claim 19, wherein said locking device further includes a manual release lever connected to said lock shaft for manually rotating said lock shaft from said fully locked position into said unlock position and for enabling said lock latch mechanism to maintain said lock lever in said unlocked position for manually moving said first door in said first opening direction and said second door in said second opening direction.